

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the present application:

LISTING OF CLAIMS:

1. (Currently Amended) A measuring sensor ~~comprising a lambda probe for determining an oxygen content of a gas to be analyzed, the lambda probe including comprising:~~

a protective housing permeable for the gas to be analyzed, the protective housing including a double casing, the double casing including an inner casing ~~that is heated;~~

a first heater configured to heat the inner casing; and

a ceramic sensor member situated in the protective housing, ~~wherein the ceramic sensor member including a second heater configured to heat, during a measuring operation, is heated by its own heating~~ the ceramic sensor member to a temperature above 300°C and retained to retain the ceramic sensor member at the a temperature above 300°C.

2. (Currently Amended) The measuring sensor according to Claim 1, wherein the first heater is configured to produce a temperature gradient with a temperature rising toward a surface of the sensor element ~~is produced with the heating of the inner casing.~~

3. (Currently Amended) The measuring sensor according to Claim 1, wherein the first heater is configured to heat ~~the inner casing and the heating of the inner casing have to~~ a surface temperature above an evaporation temperature of water.

4. (Currently Amended) The measuring sensor according to Claim 1, wherein ~~the inner casing and the heating of~~ the first heater is configured to heat ~~the inner casing have to~~ a surface temperature below an evaporation temperature of water.

5. (Original) The measuring sensor according to Claim 1, wherein the protective housing includes an unheated outer casing, and the heated inner casing is separated from the outer casing by a clearance space.

6. (Currently Amended) The measuring sensor according to Claim 1, wherein ~~the heating of the inner casing~~ first heater is arranged in a self-supporting manner on an inner side of the inner casing.

7. (Original) The measuring sensor according to Claim 1, wherein the inner casing is constructed as a heating element.

8. (Currently Amended) The measuring sensor according to Claim 1, wherein at least an outer side of the inner casing is configured to be easily wetted by water.

9. (Currently Amended) The measuring sensor according to Claim 8, wherein the protective housing includes an outer casing, the outer casing also ~~being~~ configured to be easily wetted by water.

10. (New) The measuring sensor according to Claim 1, wherein the first heater is configured to heat the inner casing to a temperature between 80°C and 150°C and to retain the inner casing at a temperature between 80°C and 150°C.

11. (New) The measuring sensor according to Claim 1, wherein the measuring sensor is configured as a lambda probe.

12. (New) The measuring sensor according to Claim 1, wherein the first heater is configured to produce a temperature gradient with a temperature rising toward the a surface of the ceramic sensor member and to provide for vaporization of water.

13. (New) The measuring sensor according to Claim 1, wherein the protective housing includes perforations.

14. (New) The measuring sensor according to Claim 7, wherein the heating element includes an electrical resistance heater.

15. (New) The measuring sensor according to Claim 1, wherein the protective housing includes one of a metal, a porous metal, and a porous ceramic.

16. (New) The measuring sensor according to Claim 1, wherein at least one of the first heater and the second heater is configured to be switched off when an ambient temperature has risen and condensation of water is not expected.

17. (New) The measuring sensor according to Claim 16, wherein the ambient temperature includes a temperature of an exhaust branch of an internal combustion engine.

18. (New) The measuring sensor according to Claim 1, wherein the heater coil includes an electrical resistance wire.